A general synopsis on how they felt their Sub system performed during the run.

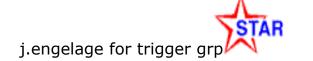
we had our successes and failures:

•successes:

- I2 algorithms have matured and played a central role in the data that was taken.
- ernst's online scaler analysis has become a critical tool for non-destructive monitoring of the spin polarization
- STP and 48-bit scalers were both successful although yet to be implemented/adopted.

•problems:

- BCE stuck bit problem caused some loss of triggering capabilities at the beginning of this run
 - lost some scaler information due to vme crate freezing
 - unable to fully populate all trigger systems with DSM boards
 - loss of communication with trgscratch disk



Plans to address any problems/issues associated with their Sub system.

- <u>BCE stuck bit problem</u> was localized to a couple of DSMI boards which were repaired
- the scaler crate is still a bit of a mystery. we have some ideas (e.g. moving all non-scaler slave modules out of the crate) to try and test over the summer
- hoping to secure time from dan and his crew to get sufficient numbers of <u>DSM</u> and <u>CDB</u> boards repaired.
- swapping the computer that hosts the <u>trgscratch disk</u> seems to have solved the problem.

Requests to STSG:

Board repairs: august-september time frame

7-10 DSMs

4 needed to re-outfit FPD East system

2 needed to replace malfunctioning units in CTB system spares (last year, ~9 boards died between runs)

3-5 CDBs

2 needed to replace malfunctioning units in CTB

2 needed to replace malfunctioning units in FPE spares

1-2 TCDs

spares

2-4 VME Crates

Need P2-type backplane installed in P3 position on 2 existing crates for FMS(QT)

<u>Training</u>:

Couple of days at LBL working with fred bieser learning new QT board

22-jun-06

Star Critique meeting j.engelage for trigger

Plans for any changes, and preparations for next year's run.

several changes invisioned for next run

- 1) installation of new generation digitizer board, QT, in FMS system
 - 2) beta test new trigger connections with TOF
 - 3) repeat timing tests with Calorimeter group
- 4) installation of second concentrator to support FMS
- 5) upgrade startrg os from solaris to linux

•Any observations/comments on any aspect of STAR Operations.

- 1) we understand that dan's group is stretched thin, but we've got to have an inventory of spares and priority for repairs
 - 2) equally important...



tr.v. sched·uled, sched·ul·ing, sched·ules

- 1.To enter on a schedule: *calculate and schedule each tax deduction on the proper form.*
- 2.To make up a schedule for: *I haven't scheduled the coming week yet*.
- 3. To plan or appoint for a certain time or date: scheduled a trip in June; was scheduled to arrive Monday.
- 4.To list or rank (a controlled substance) in a